

CLAIMS

What is claimed is:

- 5 1. An emergency response vehicle, said vehicle comprising:
 a wedge-shaped nose;
 a triangular wheel base;
 at least one tank; and
 an engine.
- 10 2. The vehicle of claim 1 further comprising at least one retractable rack.
3. The vehicle of claim 1 further comprising a cab for at least one driver and at least one
15 window on said cab, said window comprising resistance to fire and impact.
4. The vehicle of claim 1 wherein said engine comprises at least one engine selected
 from the group consisting of gasoline engines, diesel engines, air-cooled gasoline engines, air-cooled
 diesel engines, electrical motors and shielded electrical motors.
- 20 5. The vehicle of claim 1 further comprising a chain and sprocket steering mechanism.
6. The vehicle of claim 1 further comprising at least one system select from a system
 consisting of hydraulic systems and pneumatic systems.
- 25 7. The vehicle of claim 1 wherein said vehicle comprises dimensions of approximately
 4.5 meters in length, 1.5 meters in width, and 2 meters in height.
8. The vehicle of claim 1 wherein said engine comprises an engine fitted with quick
 disconnects, and wherein said engine is mounted upon a slidable engine cradle for sliding said
30 engine out of the vehicle to facilitate maintenance and replacement.

9. The vehicle of claim 1 further comprising at least one crawler track for mobility.
10. The vehicle of claim 1 further comprising a tilt-bed, a gimbal, a basket and a robotic arm.
11. The vehicle of claim 1 wherein said at least one tank comprises at least one tank capable of delivering a component capable of forming at least approximately 34,000 liters of fire-suppressing foam.
12. The vehicle of claim 1 further comprising a pump for pumping material from said at least one tank.
13. The vehicle of claim 1 further comprising a rigid frame for withstanding impacts with obstacles in the path of the vehicle.
14. The vehicle of claim 1 further comprising at least one attachment point located on said vehicle for airlifting and airdropping the vehicle.
15. The vehicle of claim 1 wherein said triangular wheel base comprises a front wheel beneath said wedge-shaped nose, and two rear wheels, said rear wheels located on opposing sides of the rear of the vehicle.
16. The vehicle of claim 15 further comprising runflat tires located upon at least one of said wheels.
17. The vehicle of claim 15 wherein said front wheel comprises 360 degree rotatability about an axis substantially orthogonal to the axis of rotation of said front wheel for translational movement of said vehicle.

- 5 18. The vehicle of claim 15 further comprising a leaf spring suspension.
19. The vehicle of claim 1 wherein said at least one tank comprises a main overhead tank and at least one auxiliary tank.
- 10 20. The vehicle of claim 19 wherein said at least one auxiliary tank comprises at least one modular auxiliary tank, said at least one modular auxiliary tank comprising at least one removably attachable hinged connection to said vehicle.
- 15 21. The vehicle of claim 19 further comprising at least one hingedly connected door for access to said main overhead tank.
22. The vehicle of claim 19 wherein said main overhead tank comprises an approximately 2250 liter main overhead tank.
- 20 23. The vehicle of claim 19 further comprising at least one guide rail on said main overhead tank and at least one guide channel within the vehicle, and wherein said main overhead tank slides into said at least one guide channel via said at least one guide rail on said tank.
- 25 24. The vehicle of claim 19 further comprising an eductor for mixing material from at least one tank with another material.
- 30 25. The vehicle of claim 1 further comprising left and right brakes wherein said brakes comprise separate controllability.

5 26. An emergency response vehicle comprising:

a body supportable on the ground by at least three wheels, said body comprising a rigid nose, said rigid nose comprising at least one shape selected from the group consisting of a wedge shape and a cone shape, and a compartment positioned aft of said nose for
10 mounting at least one tank for containing a material; and

at least one delivery mechanism for delivering said material contained in said at least one tank to an area remote from the vehicle wherein said at least one delivery mechanism comprises at least one member selected from the group consisting of a mechanical pump and a
15 pressurized vessel.

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